

Innsmouth Portal

by Arya Akhavan (May 2015)

Angles for R.I. = 1.450

46 + 12 girdles = 58 facets

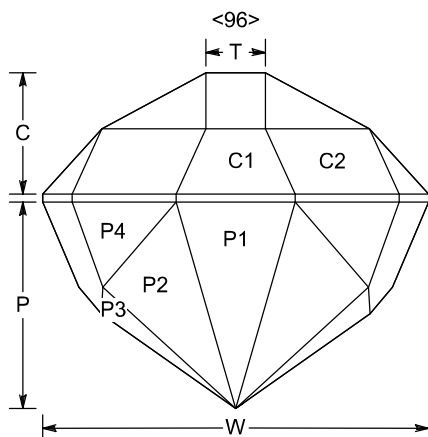
3-fold, mirror-image symmetry

96 index

L/W = 1.022 T/W = 0.154 U/W = 0.133

P/W = 0.533 C/W = 0.314

Vol./W³ = 0.316



PAVILION

P1	47.48°	96-32-64	Cut to centerpoint.
P2	46.95°	01-31-33-63-65-95	Meet at culet.
P3	45.00°	02-30-34-62-66-94	Meet at culet.
G1	90.00°	96-32-64	Set stone size.
G2	90.00°	08-24-40-56-72-88	Meet P1, P2, G1
G3	90.00°	16-48-80	Meet P2, P3, G2
P4	66.85°	08-24-40-56-72-88	Level girdle.
P5	65.49°	16-48-80	Level girdle.

CROWN

C1	51.75°	96-32-64	Set girdle width.
C2	47.69°	08-24-40-56-72-88	Level girdle.
C3	51.75°	16-48-80	Level girdle.
C4	28.30°	08-24-40-56-72-88	Meet C2, C3
C5	25.00°	96-32-64	Meet C1, C2, C4
T	0.00°	Table	Meet C4, C5

This design is a modification of my "Tessellation 8" design, where I combined multiple smaller shapes into larger ones. With the incredibly high crown, deep pavilion, and very...unusual design characteristics, this design gives off some very cool effects! Try scaling C5 and P3 to either (20.00, 43.00) or (25.00, 45.00). Works in pale materials from fluorite to CZ (RI = 1.45 - 2.16) with no changes, and can be scaled pretty heavily.

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